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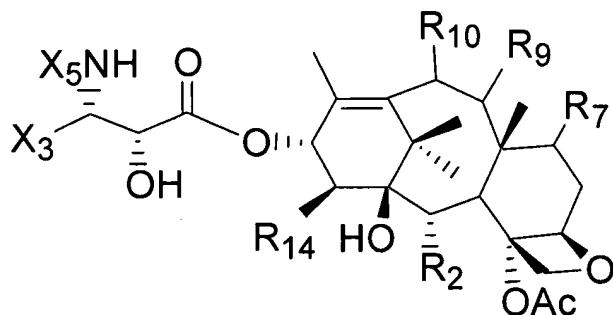
AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in this application.

Listing of Claims

Claims 1-33 (cancel)

Claim 34 (original) A method for preparing a pharmaceutical composition comprising mixing at least one nonaqueous, pharmaceutically acceptable solvent and a taxane having the formula



wherein

R₂ is acyloxy;

R₇ is carbonate;

R₉ is keto, hydroxy, or acyloxy;

R₁₀ is hydroxy;

R₁₄ is hydrido or hydroxy;

X₃ is substituted or unsubstituted alkyl, alkenyl, alkynyl or heterocyclo;

X₅ is -COX₁₀, -COOX₁₀, or -CONHX₁₀;

X₁₀ is hydrocarbyl, substituted hydrocarbyl, or heterocyclo; and

Ac is acetyl.

Claims 35-45 (cancel)

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Claim 46 (previously presented) The method of claim 34 wherein X_3 is 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, C_1 - C_8 alkyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl.

Claim 47 (previously presented) The method of claim 34 wherein R_7 is $R_{7a}OCOO-$ and R_{7a} is methyl or ethyl.

Claim 48 (previously presented) The method of claim 34 wherein X_5 is $-COX_{10}$ and X_{10} is substituted or unsubstituted phenyl, 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, C_1 - C_8 alkyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl, or X_5 is $-COOX_{10}$ and X_{10} is substituted or unsubstituted C_1 - C_8 alkyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl.

Claim 49 (previously presented) The method of claim 34 wherein X_3 is 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, C_1 - C_8 alkyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl, R_7 is $R_{7a}OCOO-$ and R_{7a} is methyl or ethyl.

Claim 50 (previously presented) The method of claim 34 wherein X_3 is 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, C_1 - C_8 alkyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl, X_5 is $-COX_{10}$ and X_{10} is substituted or unsubstituted phenyl, 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, C_1 - C_8 alkyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl, or X_5 is $-COOX_{10}$ and X_{10} is substituted or unsubstituted C_1 - C_8 alkyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl.

Claim 51 (previously presented) The method of claim 34 wherein R_7 is $R_{7a}OCOO-$ and R_{7a} is methyl or ethyl, X_5 is $-COX_{10}$ and X_{10} is substituted or unsubstituted phenyl, 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, C_1 - C_8 alkyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl, or X_5 is $-COOX_{10}$ and X_{10} is substituted or unsubstituted C_1 - C_8 alkyl, C_2 - C_8 alkenyl, or C_2 - C_8 alkynyl.

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Claim 52 (previously presented) The method of claim 34 wherein X_3 is 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, $C_1 - C_8$ alkyl, $C_2 - C_8$ alkenyl, or $C_2 - C_8$ alkynyl, R_7 is $R_{7a}OCOO-$, R_{7a} is methyl or ethyl, X_5 is $-COOX_{10}$ and X_{10} is substituted or unsubstituted phenyl, 2-furyl, 3-furyl, 2-thienyl, 3-thienyl, 2-pyridyl, 3-pyridyl, 4-pyridyl, $C_1 - C_8$ alkyl, $C_2 - C_8$ alkenyl, or $C_2 - C_8$ alkynyl, or X_5 is $-COOX_{10}$ and X_{10} is substituted or unsubstituted $C_1 - C_8$ alkyl, $C_2 - C_8$ alkenyl, or $C_2 - C_8$ alkynyl.

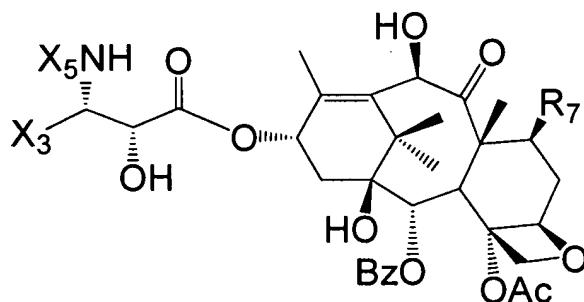
Claim 53 (previously presented) The method of claim 34 wherein X_3 is thienyl.

Claim 54 (previously presented) The method of claim 34 wherein X_3 is 2-thienyl.

Claim 55 (previously presented) The method of claim 34 wherein X_3 is furyl.

Claim 56 (previously presented) The method of claim 34 wherein X_3 is 2-furyl.

Claim 57 (currently amended) A taxane having the formula



wherein R_2 , R_7 , X_5 , X_{10} and X_3 , in combination, are selected from one of combinations 1-45 appearing in the following table:

Combination No.	R_7	R_{7a}	X_5	X_{10}	X_3
1	$R_{7a}OCOO-$	methyl	$-COOX_{10}$	isopropyl	2-thienyl
2	$R_{7a}OCOO-$	ethyl	$-COOX_{10}$	isobutyl	2-thienyl
3	$R_{7a}OCOO-$	methyl	$-COOX_{10}$	t-butyl	2-thienyl

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Combination No.	R ₇	R _{7a}	X ₅	X ₁₀	X ₃
4	R _{7a} OCOO-	ethyl	-COOX ₁₀	t-butyl	2-thienyl
5	R _{7a} OCOO-	methyl	-COOX ₁₀	t-butyl	3-thienyl
6	R _{7a} OCOO-	ethyl	-COOX ₁₀	t-butyl	3-thienyl
7	R _{7a} OCOO-	methyl	-COOX ₁₀	isobutyl	3-thienyl
8	R _{7a} OCOO-	ethyl	-COOX ₁₀	isobutyl	3-thienyl
9	R _{7a} OCOO-	methyl	-COOX ₁₀	t-butyl	2-furyl
10	R _{7a} OCOO-	ethyl	-COOX ₁₀	t-butyl	2-furyl
11	R _{7a} OCOO-	methyl	-COOX ₁₀	isobutyl	2-furyl
12	R _{7a} OCOO-	ethyl	-COOX ₁₀	isobutyl	2-furyl
13	R _{7a} OCOO-	benzyl	-COOX ₁₀	t-butyl	2-furyl
14	R _{7a} OCOO-	benzyl	-COOX ₁₀	t-amyl	2-furyl
15	R _{7a} OCOO-	methyl	-COOX ₁₀	t-butyl	3-furyl
16	R _{7a} OCOO-	ethyl	-COOX ₁₀	t-butyl	3-furyl
17	R _{7a} OCOO-	methyl	-COOX ₁₀	isobutyl	3-furyl
18	R _{7a} OCOO-	ethyl	-COOX ₁₀	isobutyl	3-furyl
19	R _{7a} OCOO-	methyl	-COOX ₁₀	t-butyl	isobut enyl
20	R _{7a} OCOO-	ethyl	-COOX ₁₀	t-butyl	isobut enyl
21	R _{7a} OCOO-	methyl	-COOX ₁₀	isobutyl	isobut enyl
22	R _{7a} OCOO-	ethyl	-COOX ₁₀	isobutyl	isobut enyl
23	R _{7a} OCOO-	methyl	-COOX ₁₀	t-butyl	cyclopropyl
24	R _{7a} OCOO-	ethyl	-COOX ₁₀	t-butyl	cyclopropyl
25	R _{7a} OCOO-	methyl	-COOX ₁₀	isobutyl	cyclopropyl
26	R _{7a} OCOO-	ethyl	-COOX ₁₀	isobutyl	cyclopropyl
27	R _{7a} OCOO-	methyl	-COX ₁₀	2-furyl	2-thienyl
28	R _{7a} OCOO-	ethyl	-COX ₁₀	2-furyl	2-thienyl
29	R _{7a} OCOO-	methyl	-COX ₁₀	2-thienyl	2-thienyl
30	R _{7a} OCOO-	ethyl	-COX ₁₀	2-thienyl	2-thienyl

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Combination No.	R ₇	R _{7a}	X ₅	X ₁₀	X ₃
31	R _{7a} OCOO-	methyl	-COX ₁₀	trans-propenyl	3-thienyl
32	R _{7a} OCOO-	ethyl	-COX ₁₀	trans-propenyl	3-thienyl
33	R _{7a} OCOO-	methyl	-COX ₁₀	trans-propenyl	2-furyl
34	R _{7a} OCOO-	ethyl	-COX ₁₀	trans-propenyl	2-furyl
35	R _{7a} OCOO-	methyl	-COX ₁₀	phenyl	2-thienyl
36	R _{7a} OCOO-	ethyl	-COX ₁₀	phenyl	2-thienyl
37	R _{7a} OCOO-	methyl	-COX ₁₀	trans-propenyl	2-thienyl
38	R _{7a} OCOO-	ethyl	-COX ₁₀	trans-propenyl	2-thienyl
39	R _{7a} OCOO-	methyl	-COX ₁₀	isobut enyl	2-thienyl
40	R _{7a} OCOO-	ethyl	-COX ₁₀	isobut enyl	2-thienyl
41	R _{7a} OCOO-	methyl	-COX ₁₀	trans-propenyl	3-furyl
42	R _{7a} OCOO-	ethyl	-COX ₁₀	trans-propenyl	3-furyl
43	R _{7a} OCOO-	benzyl	-COX ₁₀	trans-propenyl	2-thienyl
44	R _{7a} OCOO-	ethyl	-COX ₁₀	isobut enyl	2-furyl
45	R _{7a} OCOO-	benzyl	-COX ₁₀	isobut enyl	2-furyl

Claim 58 (previously presented) The taxane of claim 57 wherein R₂ is benzyloxy; R₇ is R_{7a}OCOO-; X₅ is -COOX₁₀; X₁₀ is isopropyl or isobutyl; X₃ is 2-thienyl; and R_{7a} is methyl or ethyl.

Claim 59 (previously presented) The taxane of claim 57 wherein R₂ is benzyloxy; R₇ is R_{7a}OCOO-; X₅ is -COOX₁₀; X₁₀ is t-butyl; X₃ is 2-thienyl, and R_{7a} is methyl or ethyl.

Claim 60 (previously presented) The taxane of claim 57 wherein R₂ is benzyloxy; R₇ is R_{7a}OCOO-; X₅ is -COOX₁₀; X₁₀ is t-butyl; X₃ is 3-thienyl, and R_{7a} is methyl or ethyl.

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Claim 61 (previously presented) The taxane of claim 57 wherein R_2 is benzyloxy; R_7 is $R_{7a}OCOO-$; X_5 is $-COOX_{10}$; X_{10} is isobutyl; X_3 is 3-thienyl, and R_{7a} is methyl or ethyl.

Claim 62 (previously presented) The taxane of claim 57 wherein R_2 is benzyloxy; R_7 is $R_{7a}OCOO-$; X_5 is $-COOX_{10}$; X_{10} is t-butyl; X_3 is 2-furyl; and R_{7a} is methyl or ethyl.

Claim 63 (previously presented) The taxane of claim 57 wherein R_2 is benzyloxy; R_7 is $R_{7a}OCOO-$; X_5 is $-COOX_{10}$; X_{10} is isobutyl; X_3 is 2-furyl; and R_{7a} is methyl or ethyl.

Claim 64 (previously presented) The taxane of claim 57 wherein R_2 is benzyloxy; R_7 is $R_{7a}OCOO-$; X_5 is $-COOX_{10}$; X_{10} is t-butyl or tert-amyl; X_3 is 2-furyl; and R_{7a} is benzyl.

Claim 65 (previously presented) The taxane of claim 57 wherein R_2 is benzyloxy; R_7 is $R_{7a}OCOO-$; X_5 is $-COOX_{10}$; X_{10} is t-butyl; X_3 is 3-furyl; and R_{7a} is methyl or ethyl.

Claim 66 (previously presented) The taxane of claim 57 wherein R_2 is benzyloxy; R_7 is $R_{7a}OCOO-$; X_5 is $-COOX_{10}$; X_{10} is isobutyl; X_3 is 3-furyl; and R_{7a} is methyl or ethyl.

Claim 67 (previously presented) The taxane of claim 57 wherein R_2 is benzyloxy; R_7 is $R_{7a}OCOO-$; X_5 is $-COOX_{10}$; X_{10} is t-butyl; X_3 is isobutenyl; and R_{7a} is methyl or ethyl.

Claim 68 (previously presented) The taxane of claim 57 wherein R_2 is benzyloxy; R_7 is $R_{7a}OCOO-$; X_5 is $-COOX_{10}$; X_{10} is isobutyl; X_3 is isobutenyl; and R_{7a} is methyl or ethyl.

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Claim 69 (previously presented) The taxane of claim 57 wherein R_2 is benzyloxy; R_7 is $R_{7a}OCOO-$; X_5 is $-COOX_{10}$; X_{10} is t-butyl; X_3 is cyclopropyl; and R_{7a} is methyl or ethyl.

Claim 70 (previously presented) The taxane of claim 57 wherein R_2 is benzyloxy; R_7 is $R_{7a}OCOO-$; X_5 is $-COOX_{10}$; X_{10} is isobutyl; X_3 is cyclopropyl; and R_{7a} is methyl or ethyl.

Claim 71 (previously presented) The taxane of claim 57 wherein R_2 is benzyloxy; R_7 is $R_{7a}OCOO-$; X_5 is $-COX_{10}$; X_{10} is 2-furyl or 2-thienyl; X_3 is 2-thienyl; and R_{7a} is methyl or ethyl.

Claim 72 (previously presented) The taxane of claim 57 wherein R_2 is benzyloxy; R_7 is $R_{7a}OCOO-$; X_5 is $-COX_{10}$; X_{10} is trans-propenyl; X_3 is 3-thienyl; and R_{7a} is methyl or ethyl.

Claim 73 (previously presented) The taxane of claim 57 wherein R_2 is benzyloxy; R_7 is $R_{7a}OCOO-$; X_5 is $-COX_{10}$; X_{10} is trans-propenyl; X_3 is 2-furyl; and R_{7a} is methyl or ethyl.

Claim 74 (previously presented) The taxane of claim 57 wherein R_2 is benzyloxy; R_7 is $R_{7a}OCOO-$; X_5 is $-COX_{10}$; X_{10} is phenyl, trans-propenyl, or isobutenyl; X_3 is 2-thienyl; and R_{7a} is methyl or ethyl.

Claim 75 (previously presented) The taxane of claim 57 wherein R_2 is benzyloxy; R_7 is $R_{7a}OCOO-$; X_5 is $-COX_{10}$; X_{10} is trans-propenyl; X_3 is 3-furyl; and R_{7a} is methyl or ethyl.

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Claim 76 (previously presented) The taxane of claim 57 wherein R₂ is benzoyloxy; R₇ is R_{7a}OCOO-; X₅ is -COX₁₀; X₁₀ is trans-propenyl; X₃ is 2-thienyl; and R_{7a} is benzyl.

Claim 77 (previously presented) The taxane of claim 57 wherein R₂ is benzoyloxy; R₇ is R_{7a}OCOO-; X₅ is -COX₁₀; X₁₀ is isobutenyl; X₃ is 2-furyl; and R_{7a} is ethyl or benzyl.